Air source heat pumps

The numbers shown are examples and are not associated with any particular installation

Forward Calculation

Step 1	SWL dBA	51.2	
Step 2	Directivity (Q)	8	in corner of two walls and ground
Step 3	Distance from heat pump to assessment position (m)	26	
Step 4	dB distance reduction	-30	*note using formulae not table
Step 5	Barrier correction (-10dB, -5dB, 0dB)	-5	Just visible (moving 25cm, in any direction, the assessment point can be seen
Step X	Character adjustment dB	6	
Step 6	Calculate SPL	22	